

1) SMITHSONIAN (OCT. 2 to NOV. 27)

Marshall & GILBERT ISLANDS —

Surf. Bucket Temps. Req'd.

NEED TO
SEE
DR. ELY.

2) SMITHS 97 — (NOV 64)

~~Slides to be washed~~ pan

① GRIDS PH 7304, 8399 Required.

PH 7304 + PH 447 = SAME GRID

② 8399 - PH 4304 - 432A = SAME GRID

3) SMITHS. 98 (DEC 64)

~~slides to be washed~~ pan

Surf. Bucket Temps. Req'd. ✓

4) SMITHS. 94 (SEPT) ✓

~~slides to be washed~~ pan

5) DO NOT USE 62347A

6) Record BT instrument

Numbers on data sheets

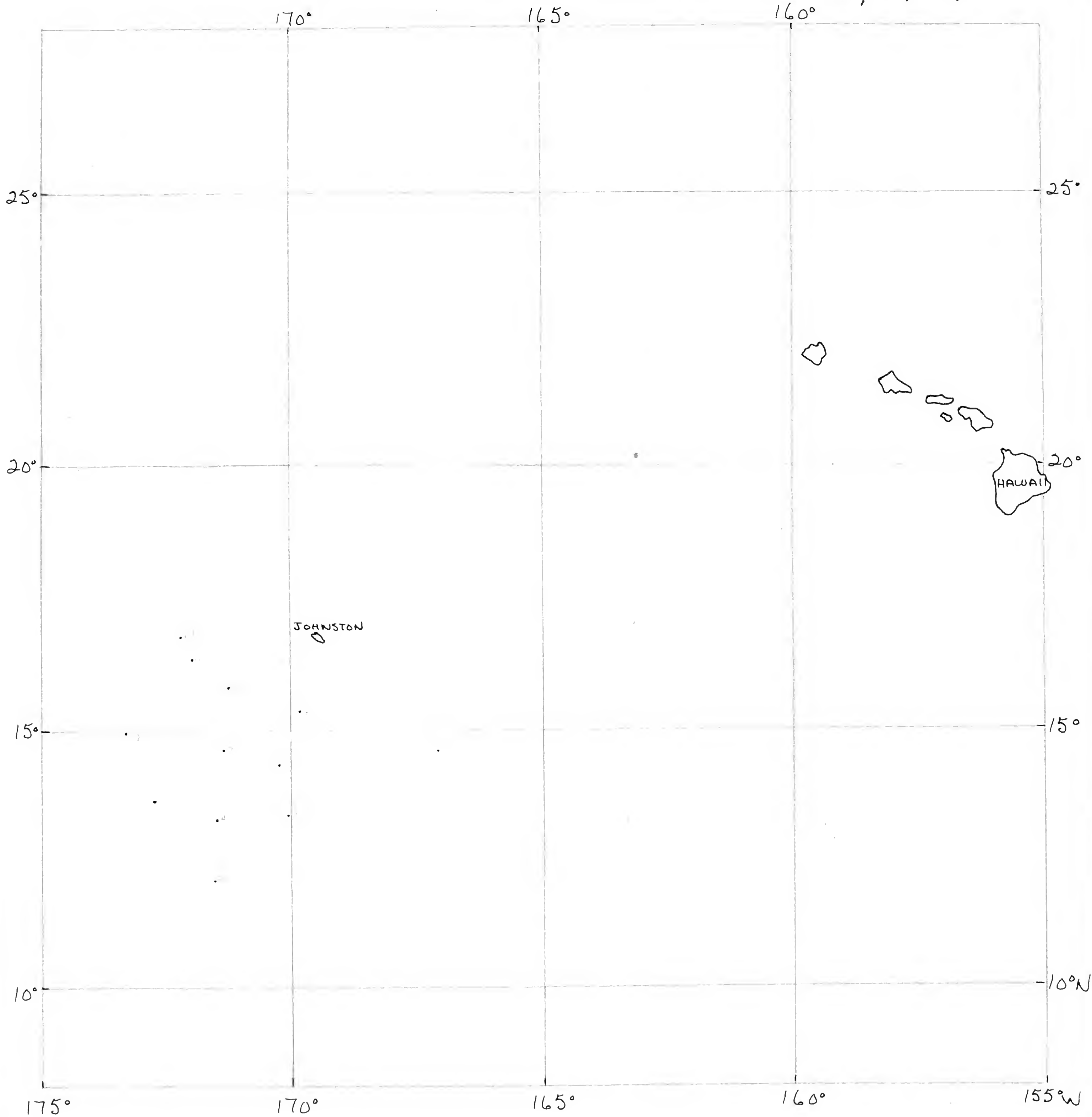
(Full-line represents Albacore, and dotted-line represents Bigeye)

Dr. Holz mentions —
look for an unusual
situation ~~the~~ at

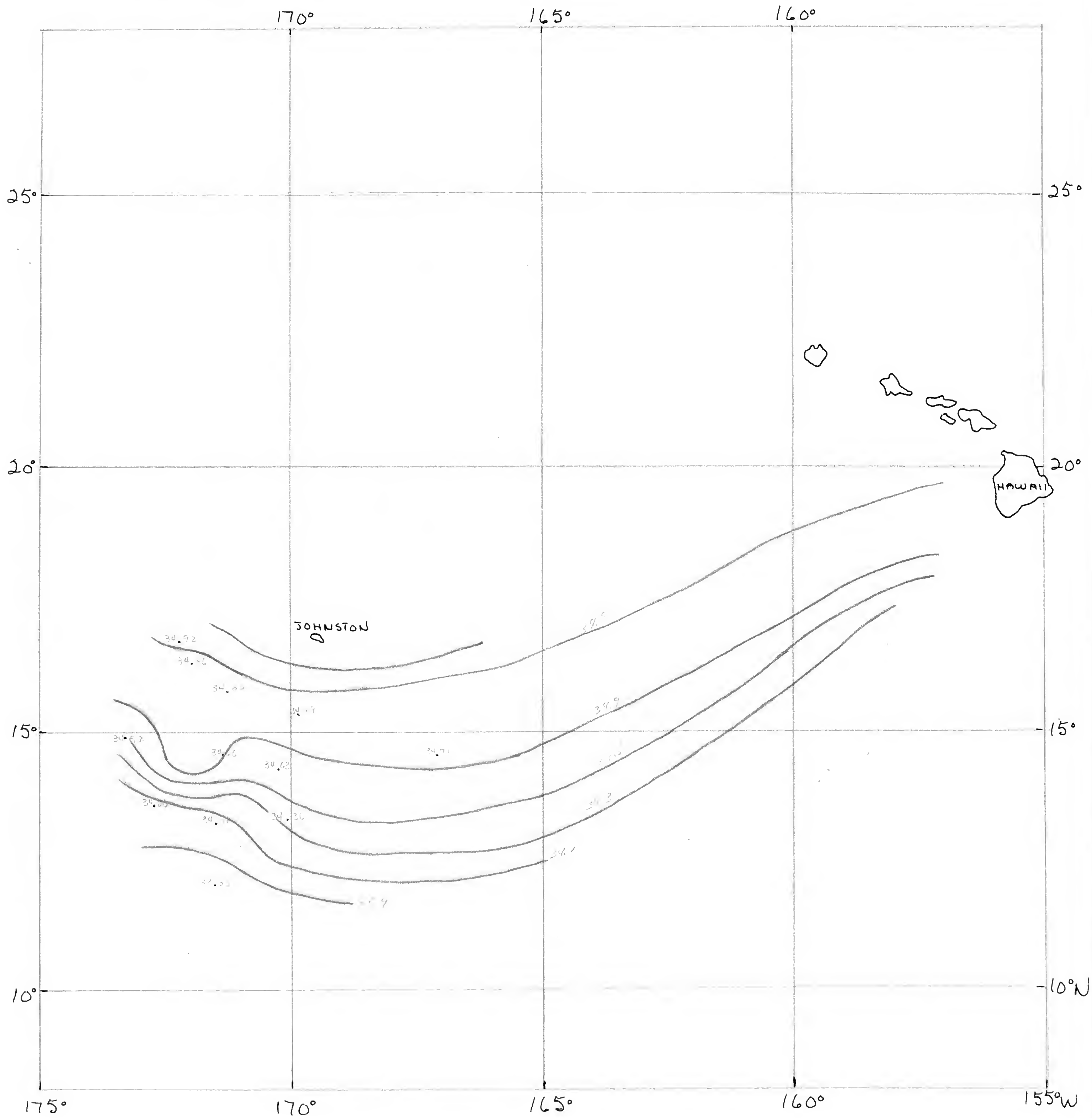
15° 30' N	169° 20' W	{	Oct. 63
15° N	168° 50' W		Sep 63
14° 30' N	168° 45' W		Nov 63
15° 40' N	169° 50' W		Dec 63

SMITHSONIAN CRUISE #97- NOV.
NOV. 6, '64 TO NOV. 13, '64

BT STATIONS
(NO POSITIONS FOR
3 9, 13, 15)

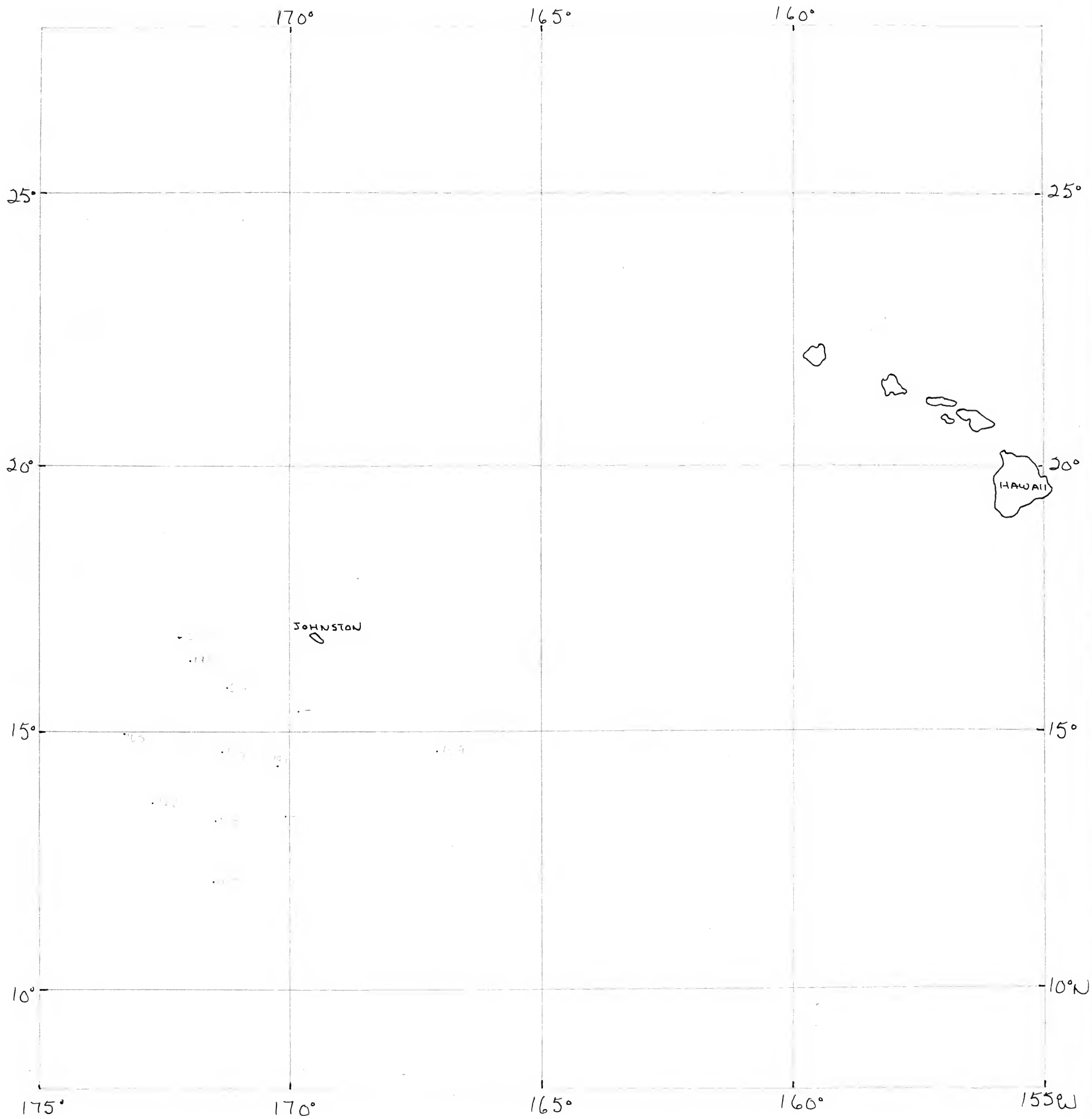


SURFACE
SALINITY ‰



SMITHSONIAN CRUISE #97, NOV.
NOV. 6, '64 to NOV. 13, '64

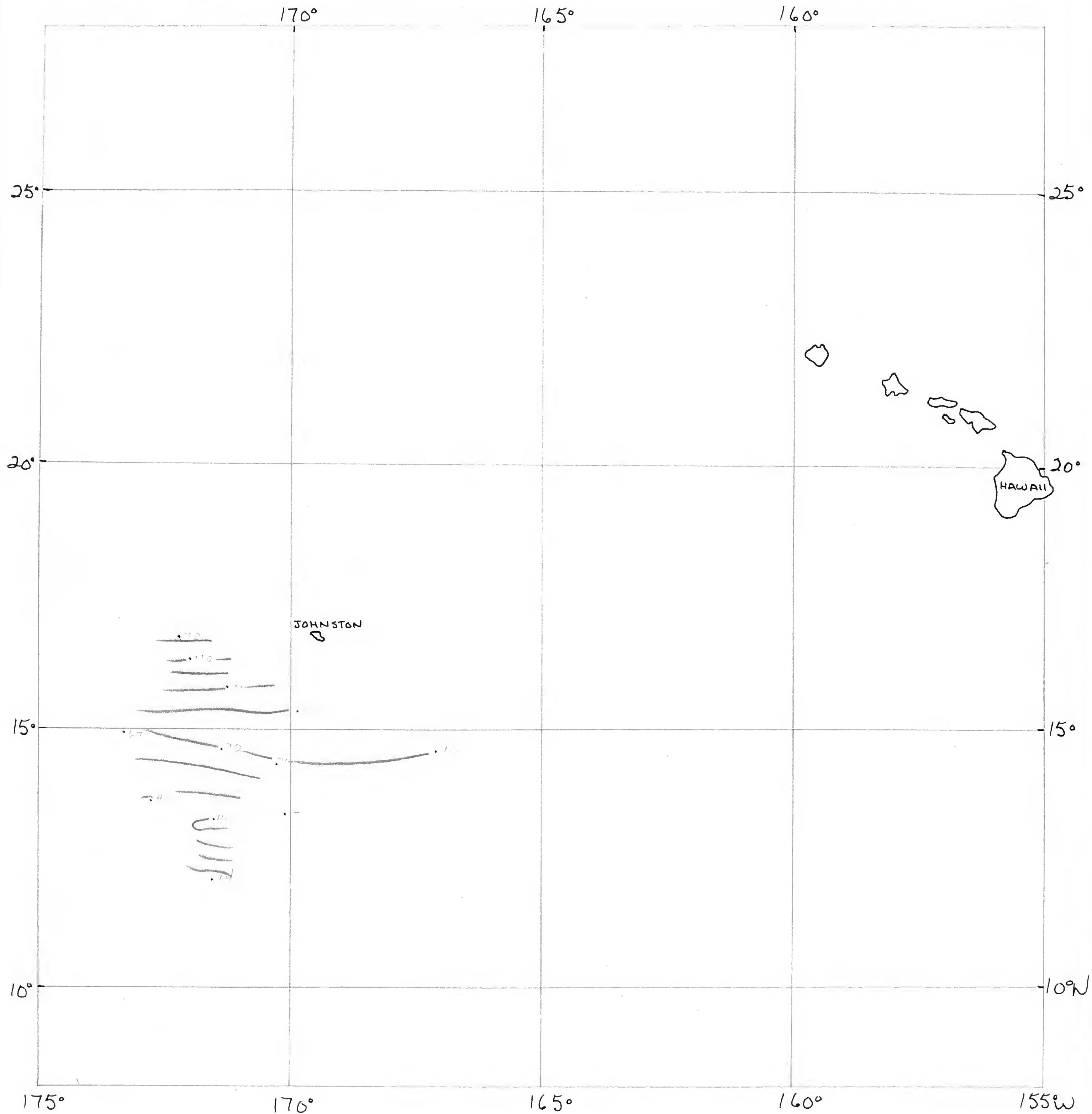
20° ISOTHERM (M)



SMITHSONIAN CRUISE #97. NOV.

NOV. 6, '64 to NOV. 13, '64

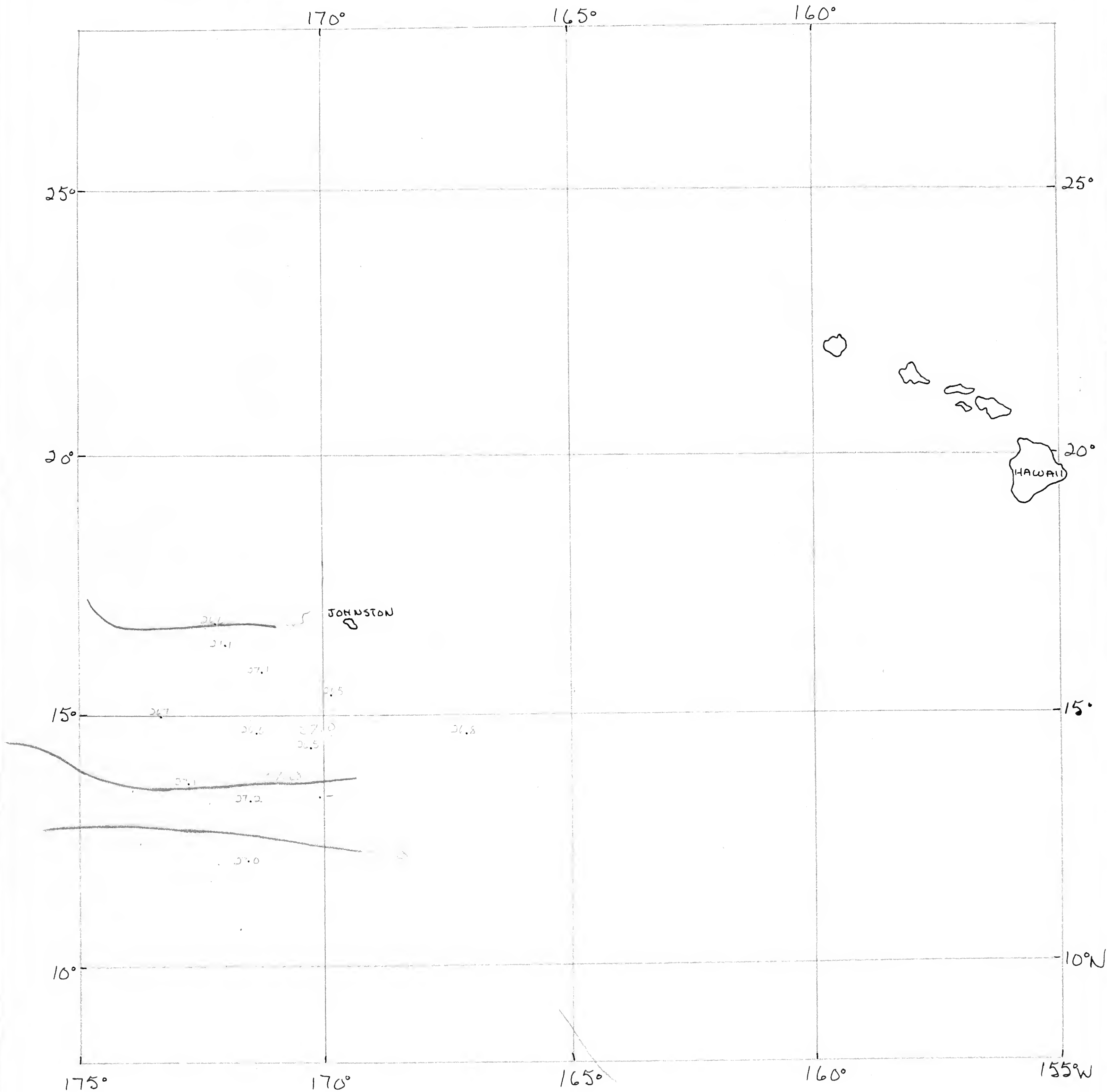
DEPTH OF THE MIXED LAYER



SMITHSONIAN CRUISE #97 - NOV.

NOV. 6, '64 to NOV. 13, '64

CORRECTED
SURF. TEMP. °C.



SMITHSONIAN CRUISE #97 - NOV.
NOV. 6, '64 to NOV. 13, '64

BUCKET TEMP. °C
AND SALINITY ‰

170°

165°

160°

25°

-25°

20°

-20°

-15°

10°

-10°N

170°

165°

160° W

160°
T.C.



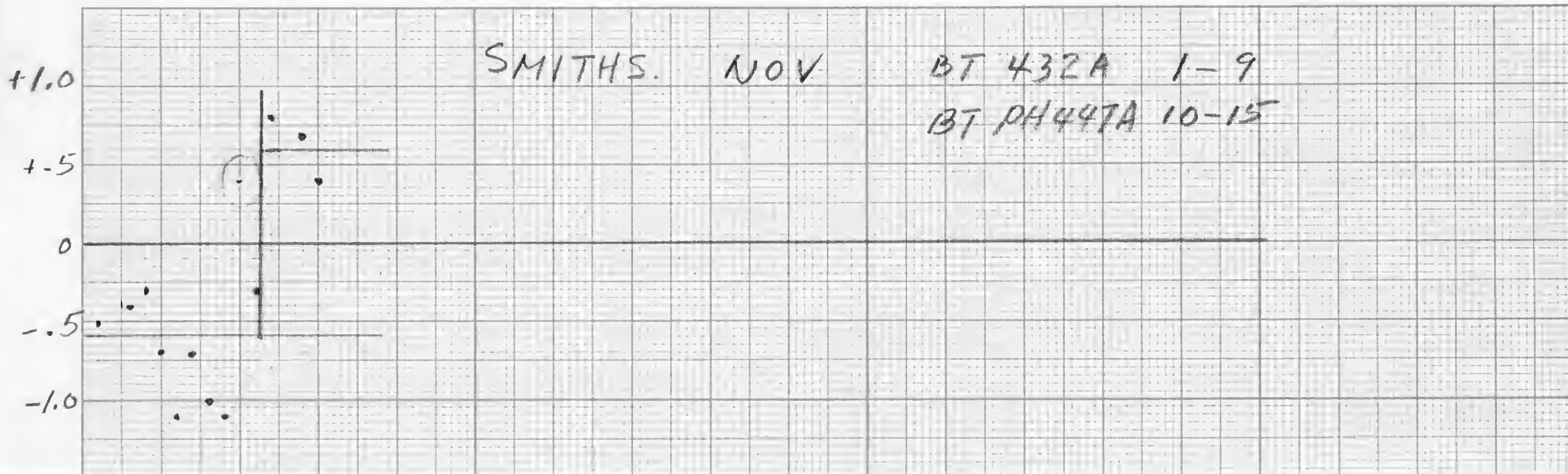
BT 432A 1-9
BT PH447A 10-15

SMITHS. NOV. - H 97

Slide No.	Surf. BT	Temp. BKT	Diff.	Corr.	Corr. Surf. T.	C°	Slide No.	Surf. BT	Temp. BKT	Diff.	Corr.	Corr. Surf. T.
1	79.7	80.2	-0.5	+0.6	80.3	26.8	10	80.2	79.8	0.4	+0.6	27.1 80.8
3	80.0	.4	- .4		.6	27.0	11	.1	80.4	- .3		27.1 .7
4	.4	.7	- .3		81.0	27.2	12	.8	80.0	0.8	-0.6	26.7 .2
5	79.1	79.8	- .7		79.7	26.5						
6	.1	80.2	-1.1		.7	26.5	14	.5	79.8	.7		26.6 79.9-
7	.3	80.0	-0.7		.9	26.6	15	79.9	.5	.4		26.3 .3-
8	80.1	81.1	-1.0		80.7	27.1						
9	78.7	79.8	-1.1		79.3	26.3						

NO. 341D-M DIETZGEN GRAPH PAPER
MILLIMETER

EUGENE DIETZGEN CO.
MADE IN U.S.A.



NOV. SAE CR # 97

	20° 130			DML					
	H	M		H	M				
1.	554	169		228	70				
3.	337	103		242	74				
4.	395	119		133	40				
5.	490	149		231	70				
6.	—	—		264	80				
7.	534	163		229	70				
8.	399	122		158	48				
10.	701	214		298	91				
11.	640	195		361	110				
12.	540	165		220	67				
14.	487	210		320	98				

No positions for #s 2, 9, 13, 15

#97

Rov Cruise

Smithsonian cruises hydrographic data

BT 432A 1-9

BT PH 447 10-15

Cruise number	Station number	LZT	Time and date			Lat.	N-S	Long.	E-W	Depth in m	Salinity o/oo	Water temp. °C	BT station number
97	1	0700	6	XI	1964	14° 35'	N	167° 05'	W	1	34.71	26.8	80.2 1
	2									1	34.94	26.8	--
										6	34.82	26.8	
										11	34.79	26.8	
										22	34.77	26.8	
										121	35.07	24.5	
	7	1900				13° 20'		170° 02'		1	34.36	27.1	2
	13	0700	7	XI	1964	12° 05'		171° 31'		1	33.85	26.9	80.4 3
	14									1	34.04	26.9	--
										4	34.02	27.1	
										9	34.03	27.1	
										18	34.02	27.1	
										117	34.80	21.7	
	20	1900				13° 18'		171° 31'		1	34.01	27.1	80.7 4
	26	0700	8	XI	1964	14° 21'		170° 13'		1	34.63	26.6	79.8 5
	27									1	34.76	26.6	--
										5	34.84	26.7	
										10	34.86	26.8	
										20	34.81	26.7	
										120	35.05	25.0	
	33	1900				15° 22'		169° 51'		1	34.79	26.8	80.2 6
	39	0700	9	XI	1964	14° 38'		171° 23'		1	34.66	26.7	80.0 7
	40									1	34.75	26.7	--
										7	34.66	26.8	
										13	34.67	26.8	
										23	34.67	26.8	
										126	34.68	26.7	
	46	1900				13° 36'		172° 48'		1	34.06	27.3	81.1 8
	52	0700	10	XI	1964	14° 52'		172° 19'		1	34.94	26.6	--
										4	34.88	26.7	
										8	34.89	26.7	
										17	34.89	26.7	
										110	34.90	25.4	
	53									1	34.92	26.6	79.8 9

Smithsonian cruises hydrographic data

Cruise number	Station number	LZT	Time and date			Lat.	N-S	Long.	E-W	Depth in m	Salinity o/oo	Water temp. °C	BT station number
97	59	1900	10	XI	1964	15° 49'	N	171° 14'	W	1	34.80	<u>26.6</u> 79.8	10
	65	0700	11	XI	1964	16° 23'		171° 59'		1	34.86	<u>26.9</u> 80.4	11
	66									1	34.89	26.9	--
										6	34.89	26.4	
										13	34.90	26.4	
										24	34.86	26.4	
										128	35.07	24.7	
										1	34.52	<u>26.7</u> 80.0	12
	72	1900				14° 59'		173° 21'		1	34.83	26.6	--
	77	0700	12	XI	1964	16° 03'		173° 15'		1	34.82	26.6	--
										5	34.82	26.6	
										10	34.79	26.5	
										20	34.79	26.5	
										120	34.84	25.3	
	78									1	34.71	26.6	13
	84	1900				16° 46'		172° 13'		1	34.92	<u>26.6</u> 79.8	14
	89	0700	13	XI	1964	16° 48'		170° 55'		1	35.11	26.4	--
90										4	34.96	26.4	
										8	34.94	26.4	
										18	34.95	26.3	
										115	34.91	24.6	
										1	34.94	<u>26.4</u> 79.5	15